

Title (en)

Function circuit that is less prone to be affected by temperature

Title (de)

Funktionsschaltung die minder Temperaturempfindlich ist

Title (fr)

Circuit de fonction qui est moins enclin aux variations de température

Publication

EP 1308817 A2 20030507 (EN)

Application

EP 02023291 A 20021017

Priority

JP 2001324765 A 20011023

Abstract (en)

Current mirror circuits that are parts of a first circuit and a second circuit, respectively, allow the same constant current to flow through the input side and the output side. Therefore, the base-emitter voltages of transistors Tr1 and Tr4, which tend to vary due to a temperature variation, can be set identical and hence can cancel out each other sufficiently. The same is true of the base-emitter voltages of transistors Tr5 and Tr8. Therefore, an input signal can be converted by a function having reference voltages as change points without being affected by temperature. Desired function circuits can be obtained by combining first circuits and second circuits in various manners. <IMAGE>

IPC 1-7

G05F 3/22

IPC 8 full level

G05F 3/08 (2006.01); **G05F 3/22** (2006.01); **G05F 3/26** (2006.01)

CPC (source: EP KR US)

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EP 1308817 A2 20030507; **EP 1308817 A3 20041013**; KR 20030033929 A 20030501; US 2003076151 A1 20030424; US 6642772 B2 20031104

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